

CLAIMS

1. A polynucleotide comprising of a first polynucleotide comprising encoding an immunostimulatory factor that is differentially expressed in an antigen presenting cell and comprising or corresponding to a tag shown in Table 1 or its complement, wherein the first polynucleotide encodes a factor selected from the group consisting of PARC, TARC, monocyte chemoattractant protein-4 (MDP-4), MDC, escalatin, MCP-2 or biologically active fragments thereof.
2. The polynucleotide of claim 1 further comprising a first and second promoter, wherein the first and second polynucleotides are under the transcriptional control of the first and second promoters, respectively.
3. The polynucleotide of claim 1 further comprising a first and second promoter, wherein the first and second polynucleotides are under the transcriptional control of the single promoter.
4. A gene delivery vehicle comprising a polynucleotide of claim 1.
5. A host cell that comprises a polynucleotide of claim 1.
6. An array of probes comprising a polynucleotide of claim 1 bound to a chip.
7. A polynucleotide comprising a first polynucleotide comprising encoding an immunostimulatory factor that is differentially expressed in an antigen presenting cell and comprising or corresponding to a tag shown in Table 1 and a second polynucleotide that modulates the expression of the first polynucleotide, wherein the first polynucleotide encodes PARC, monocyte chemoattractant protein-4 (MDP-4), MDC, escalectin, MCP-2 or biologically active fragments thereof.
8. A polynucleotide of claim 7, wherein said second polynucleotide modulates the expression of a third polynucleotide which encodes an immunostimulatory factor that is differentially expressed in an antigen presenting cell, wherein the third polynucleotide comprises or corresponds to a tag shown in Table 1.
9. A gene delivery vehicle comprising the polynucleotides of claim 7.
10. A host cell comprising the polynucleotides of claim 7.
11. A method for inducing an immune response in a subject comprising administering an effective amount of the polynucleotide of claim 1, to the subject.

12. A method of modulating the genotype of an antigen presenting cell, comprising introducing into the cell a polynucleotide of claim 1.